Unit 1 Name:

Date:

1-2: Studying the Sky Review Resource

Discover: Sky Science Review Resource

Question

What can I learn from studying the sky?

Instructions

1 Your task is to construct a resource that the teacher can provide to students so that they can review information about the universe.

You will construct a review resource to answer the question, “What can I learn from studying the sky?”

Your information resource should include the following:

* Your name and a title for your resource
* an explanation of how we can observe safely objects in the sky using various technologies
* a description of 2 constellations
* an explanation of how the 2 constellations are named and identified in the sky
* an explanation of the seasonal differences on Earth due to the tilt of the Earth as it orbits the Sun
* an explanation of the apparent movement of the stars and other planets because of the rotation and orbit of Earth
* an explanation of the apparent movement of the Sun because of the rotation of Earth
* an explanation of the changing appearance of the moon because of its orbit
* Illustrate the phases of the Moon in drawings and/or models.

Remember to add pictures to illustrate your written descriptions and explanations.

Your review resource will be neat, organized, and colourful.

You may use one of the following formats:

* brochure
* powerpoint
* poster
* game
* other (check with your teacher if you have other ideas)

**Studying the Sky Review Resource Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Excellent**  **5** | **Proficient**  **4** | **Satisfactory**  **3** | **Limited**  **2** |
| I can observe, describe, and explain patterns and movement in the stars and planets./5 | * I provided *comprehensive* and *engaging* explanations of how we can observe and describe patterns and movements in the stars and planets. | * I provided *thoughtful* and *relevant* explanations of how we can observe and describe patterns and movements in the stars and planets. | * I provided *clear* and *adequate* explanations of how we can observe and describe patterns and movements in the stars and planets. | * I provided *vague* and/or *inaccurate* explanations of how we can observe and describe patterns and movements in the stars and planets. |
| I can explain Earth’s rotation and orbit and its effect on seasons. /5 | * I provided a *comprehensive* and *engaging* explanation of Earth’s rotation and orbit and its effect on seasons and appearance of the Sun. | * I provided a *thoughtful* and *relevant* explanation of Earth’s rotation and orbit and its effect on seasons and appearance of the Sun. | * I provided a *clear* and *adequate* explanation of Earth’s rotation and orbit and its effect on seasons and appearance of the Sun. | * I provided a *vague* and/or *inaccurate* explanation of Earth’s rotation and orbit and its effect on seasons and appearance of the Sun. |
| I can explain the phases of the Moon /5 | * I provided a *comprehensive* and *engaging* explanation with diagrams or a model of the movement, and phases of the Moon. | * I provided a *thoughtful* and *relevant* explanation with diagrams or a model of the movement, and phases of the Moon. | * I provided a *clear* and *adequate* explanation with diagrams or a model of the movement, and phases of the Moon. | * I provided a *vague* and *inaccurate* explanation with diagrams or a model of the movement, and phases of the Moon. |
| Presentation  /5 | * I expressed and organized my review resource in an *engaging* and *accurate* way. | * I expressed and organized my review resource in a *logical* and *mostly accurate* way. | * I expressed and organized my review resource in an *adequate* and *somewhat accurate* way. | * I expressed and organized my review resource in a *confusing* and/or *inaccurate* way. |

Total: /20 marks